

FIG.1A

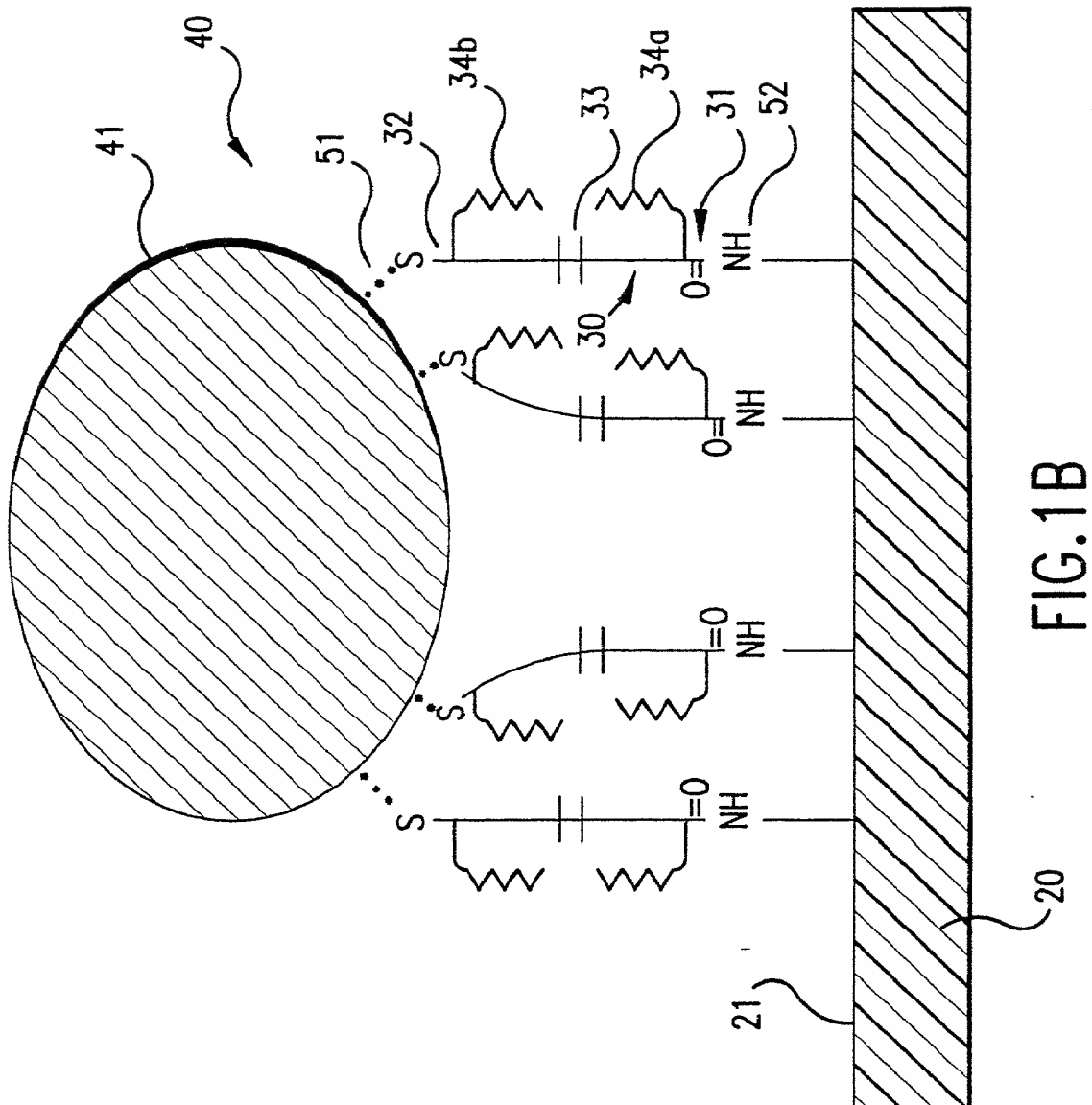


FIG.1B

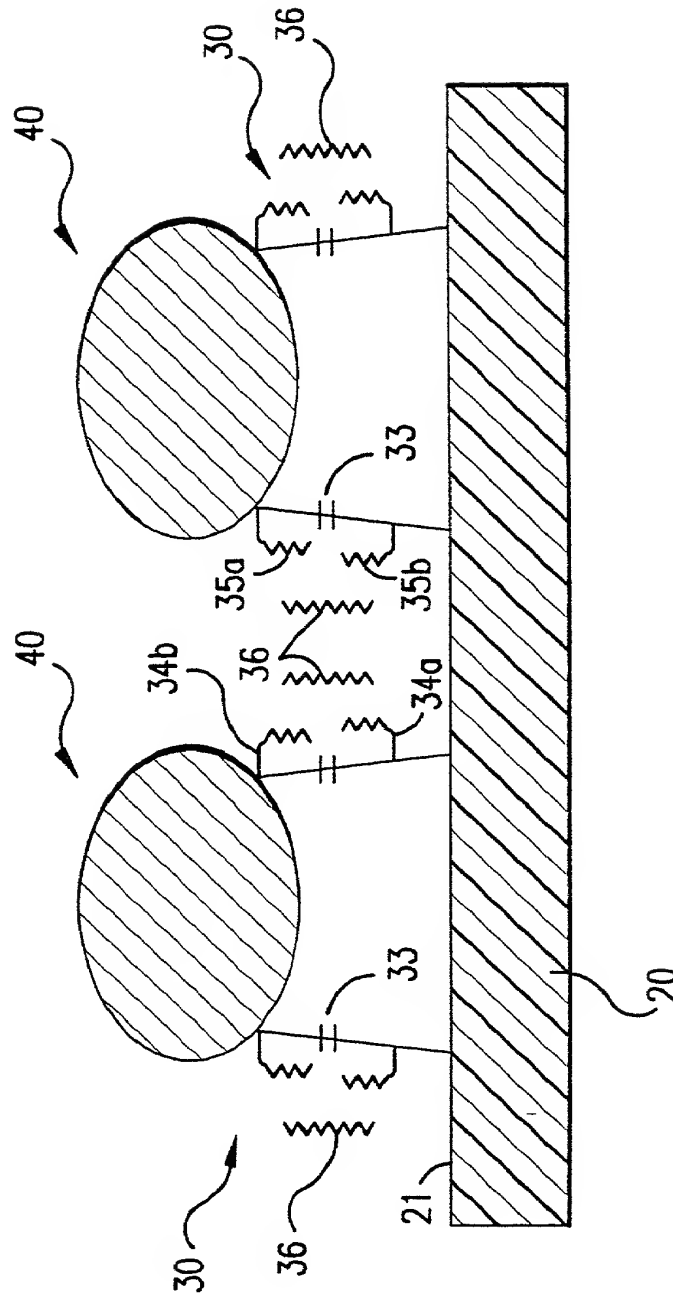


FIG.2A

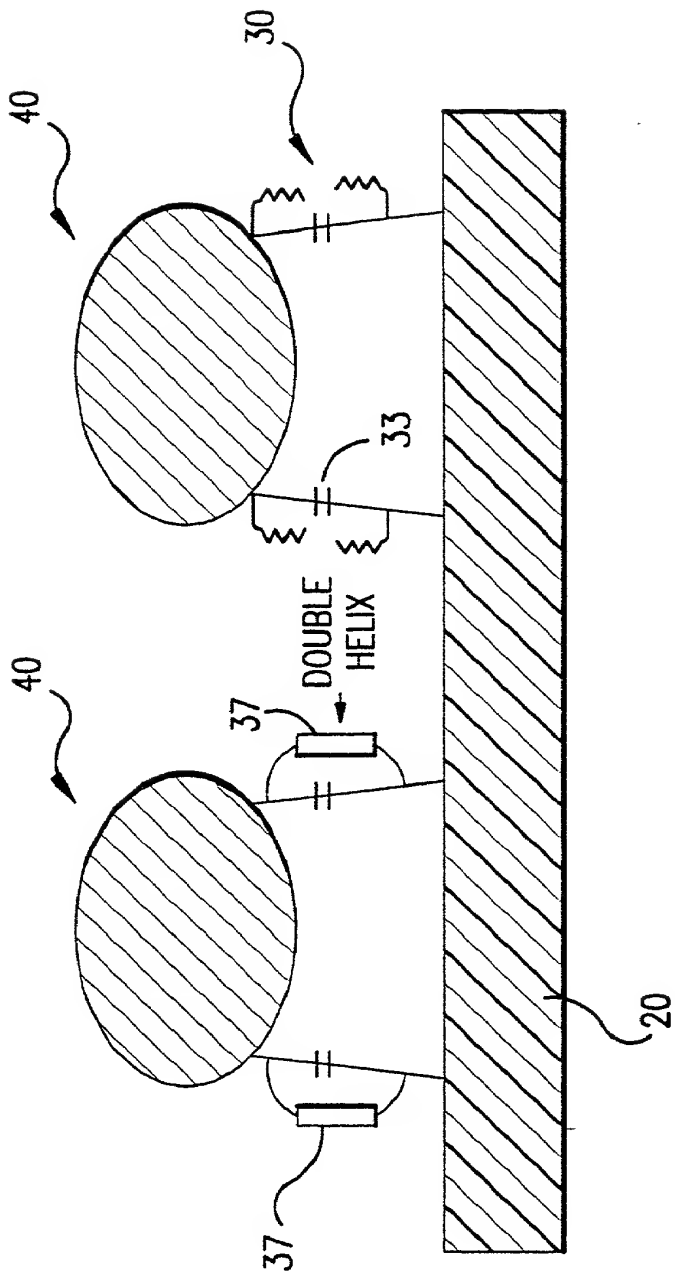


FIG. 2B

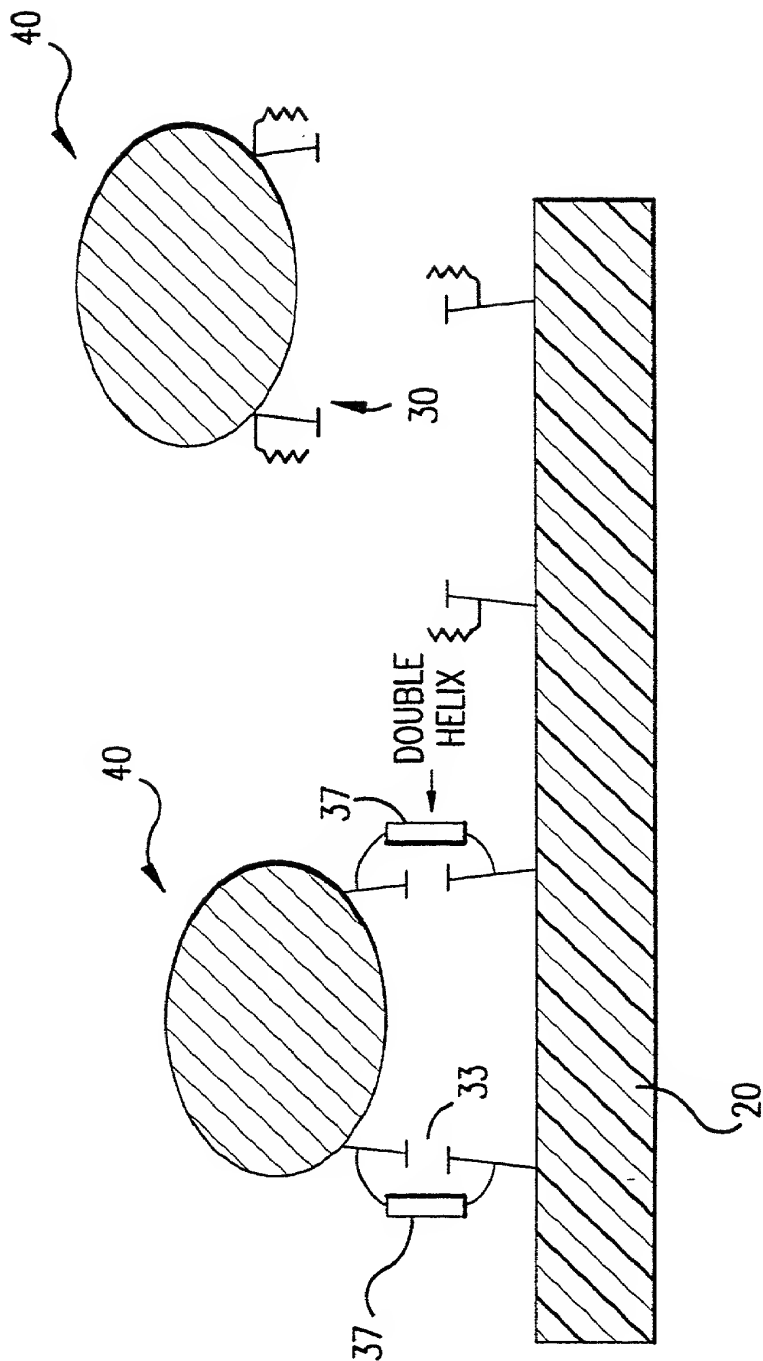


FIG.2C

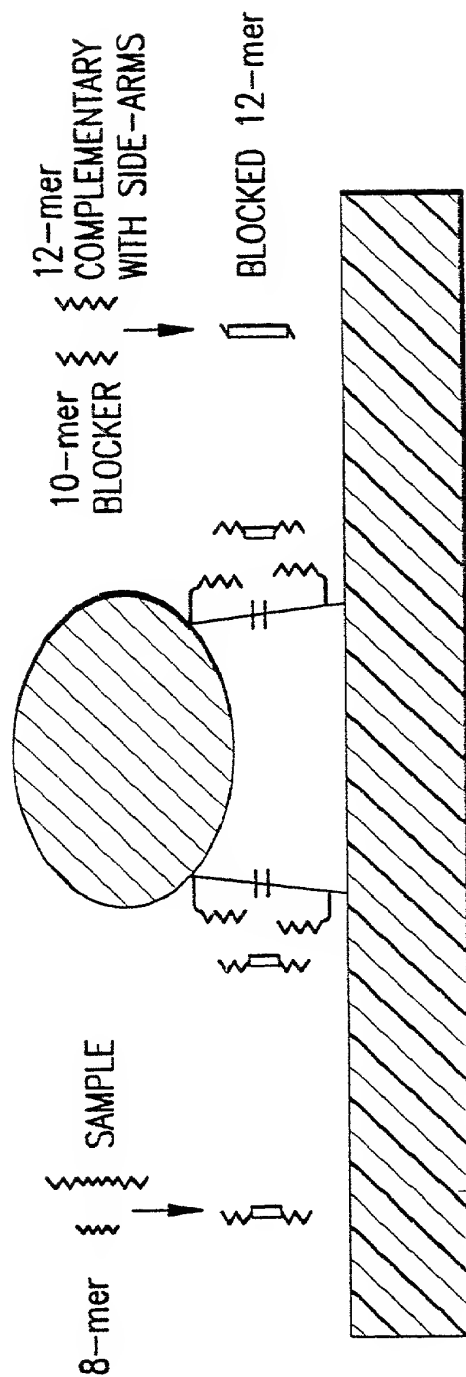


FIG.2D

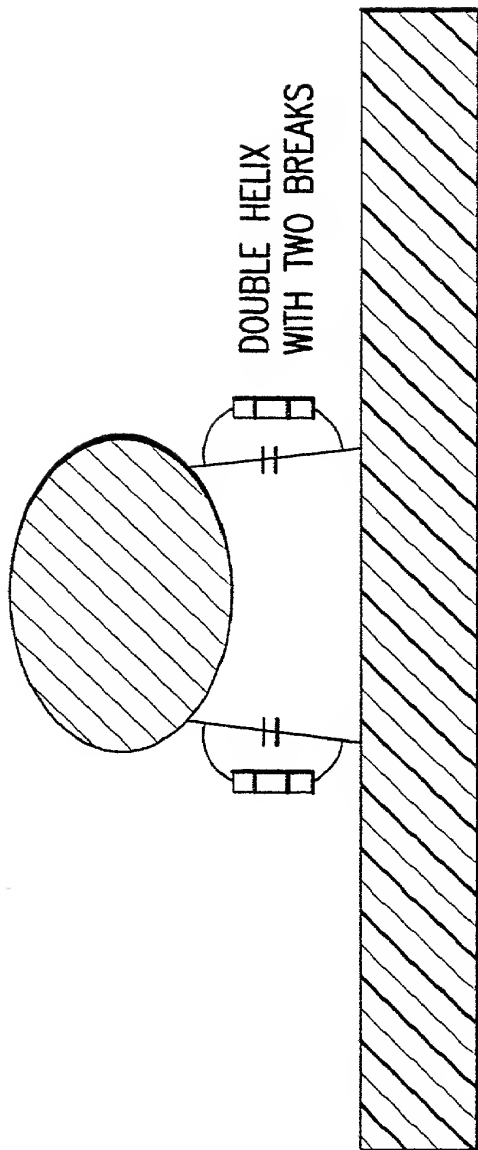


FIG. 2E

LIGASE

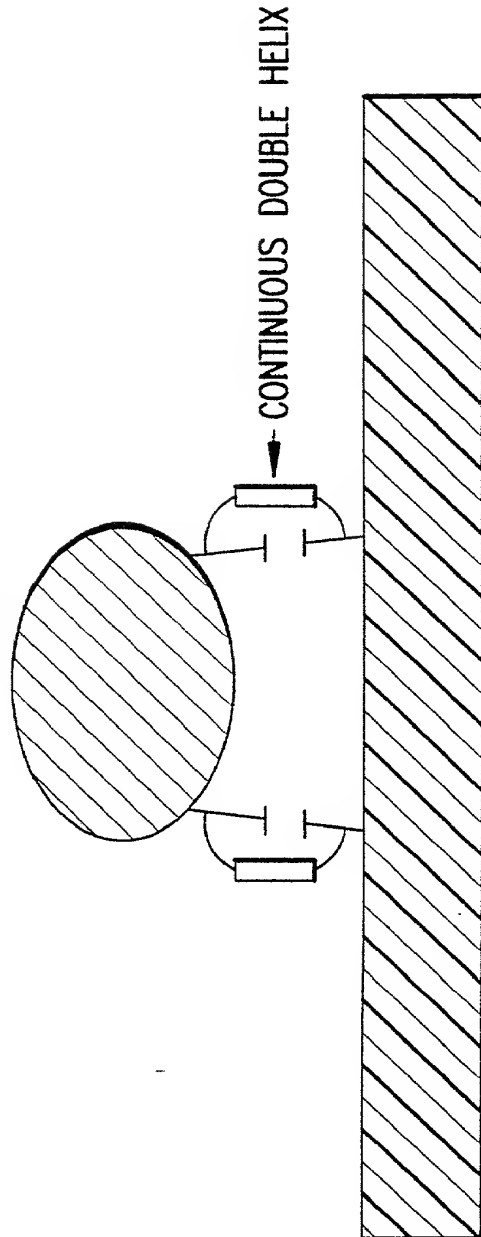


FIG. 2F

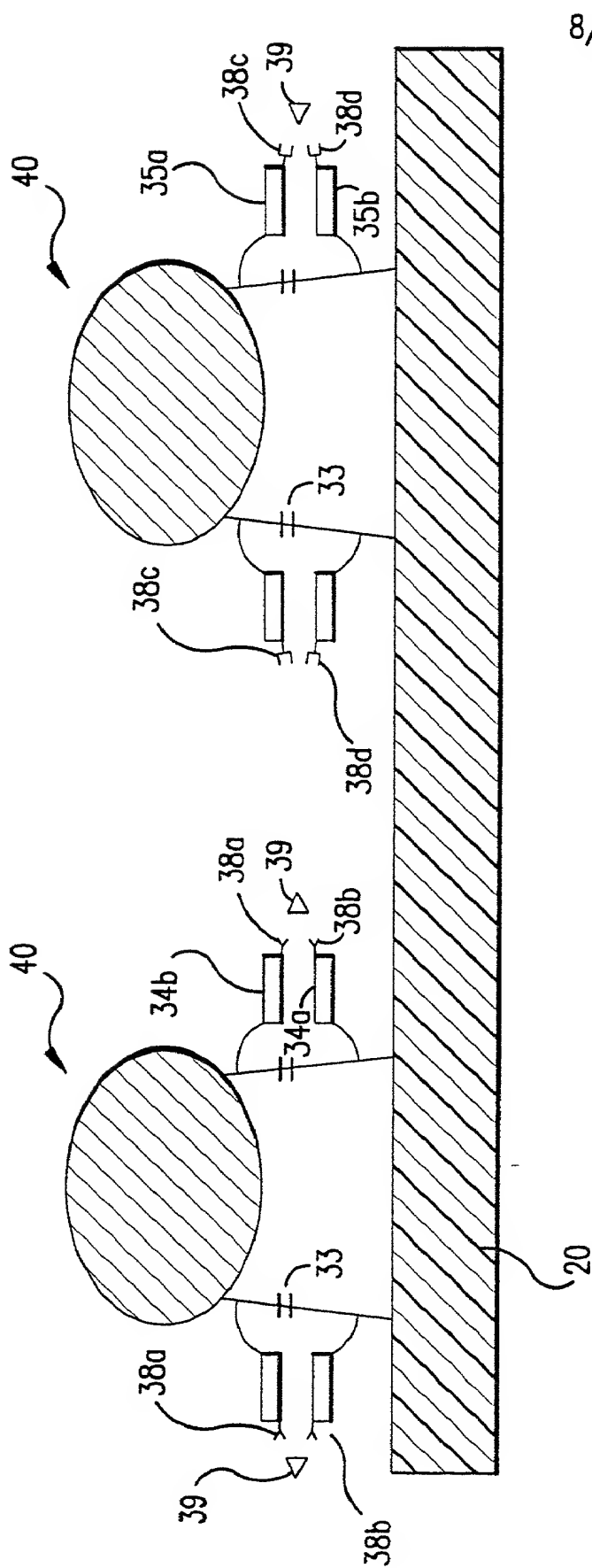


FIG. 3A



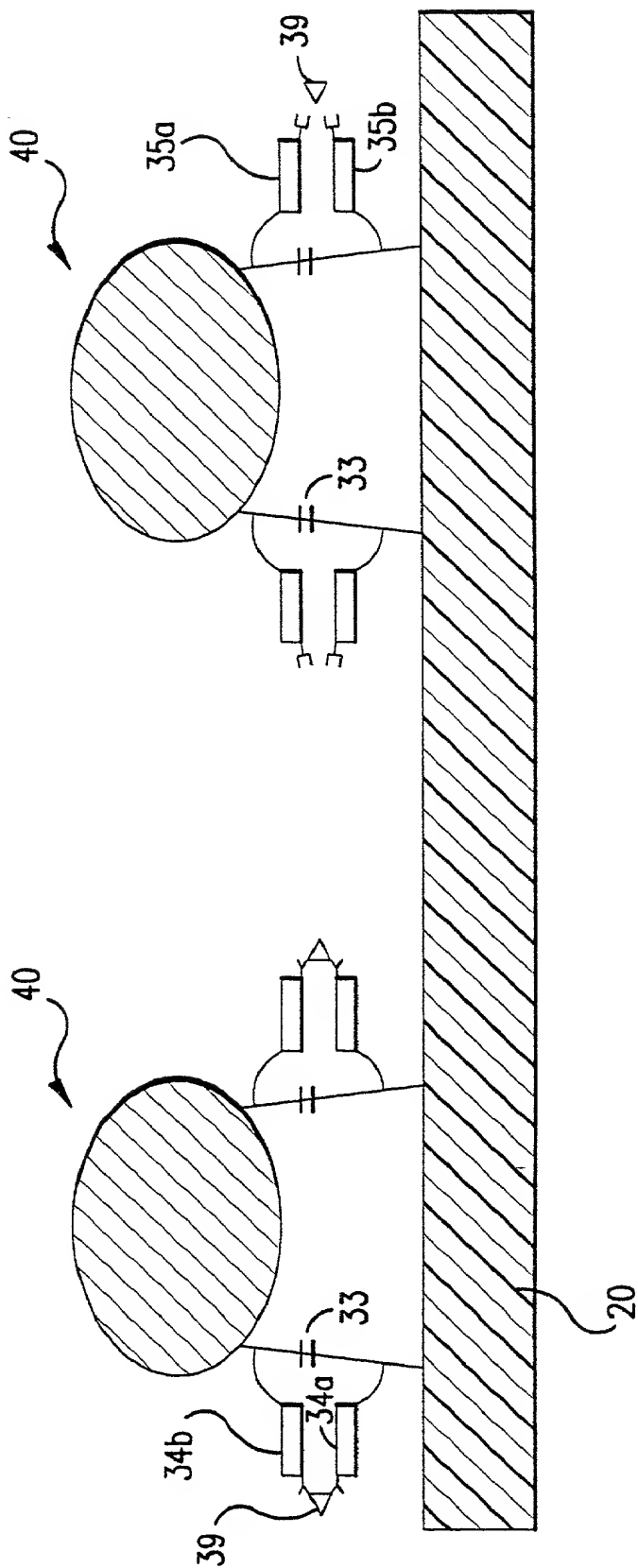


FIG. 3B

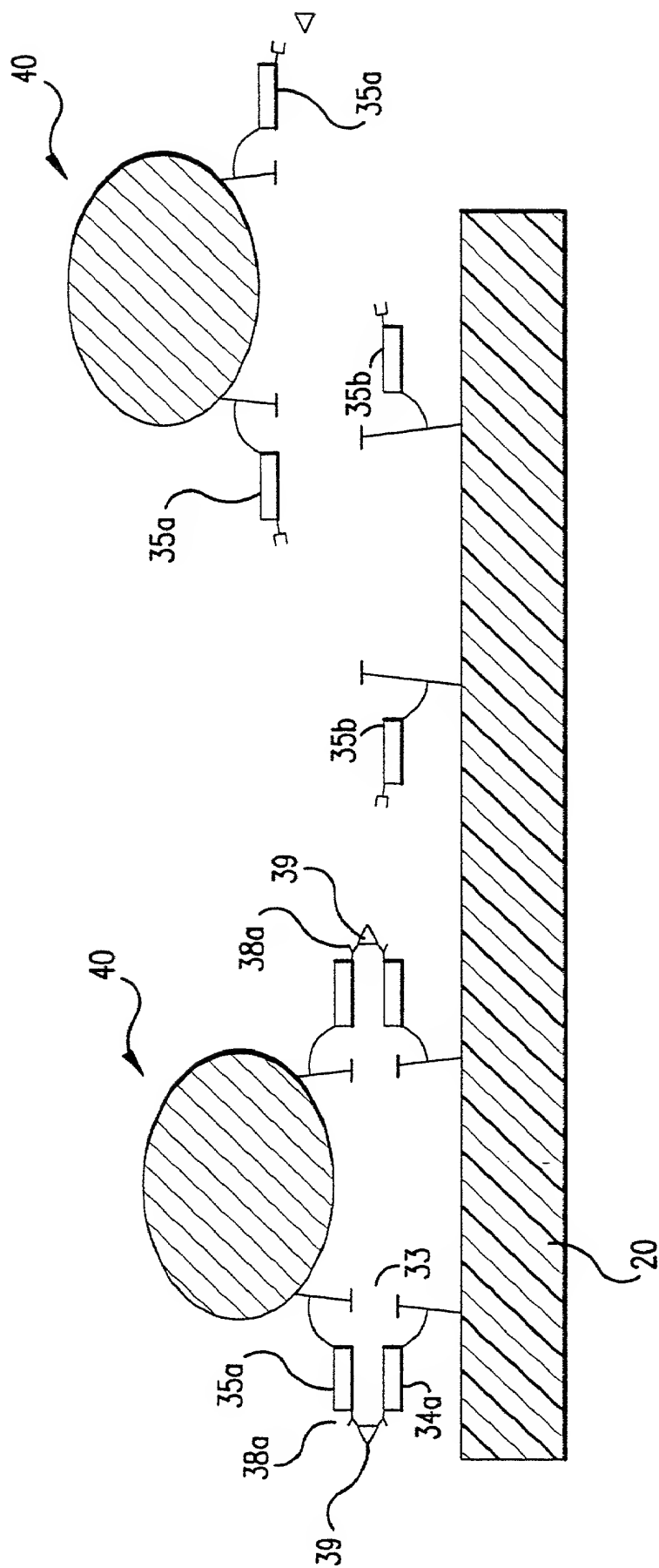


FIG. 3C

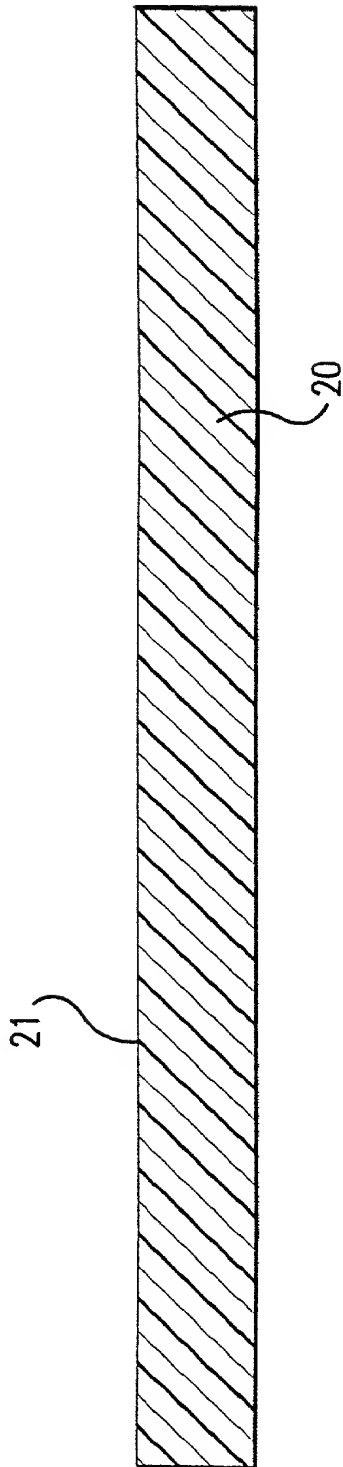


FIG. 4A

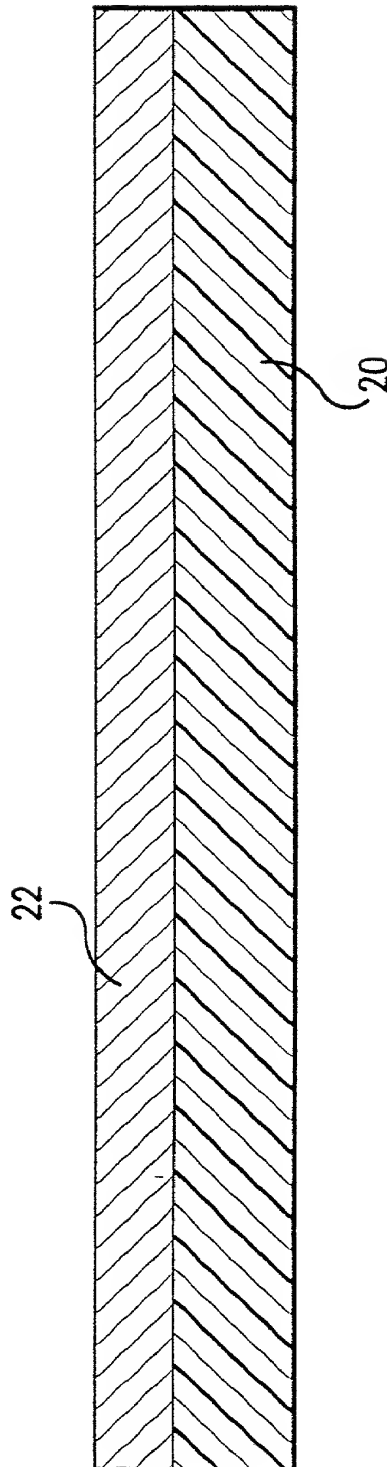


FIG. 4B

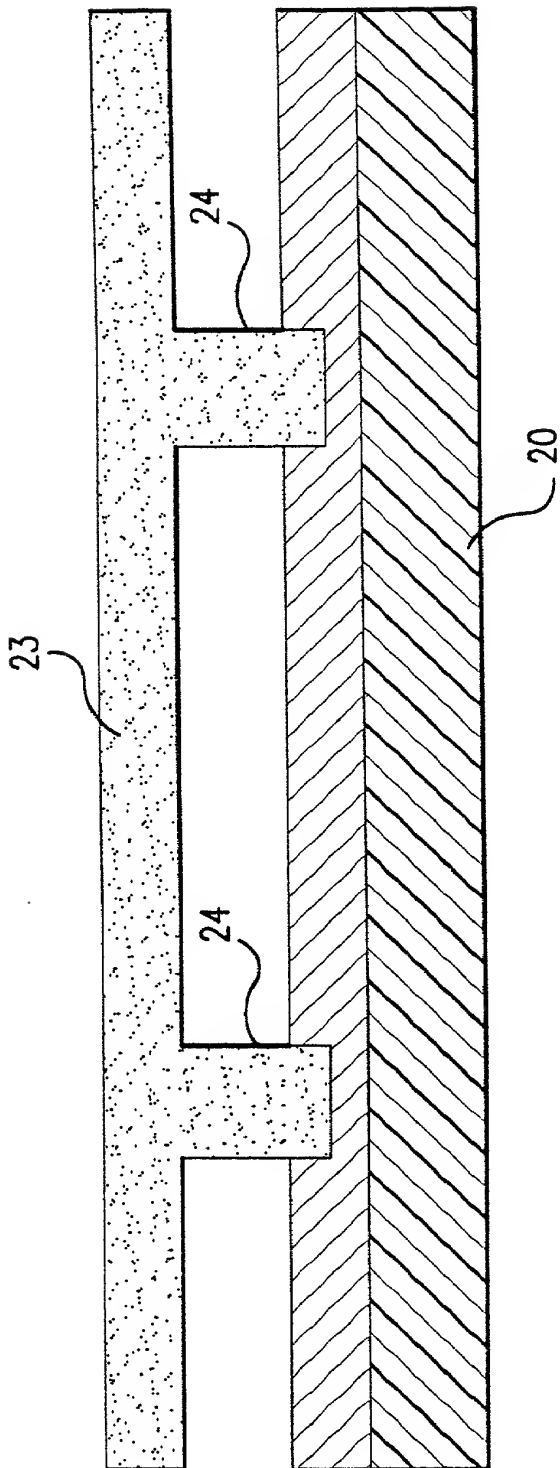


FIG. 4C

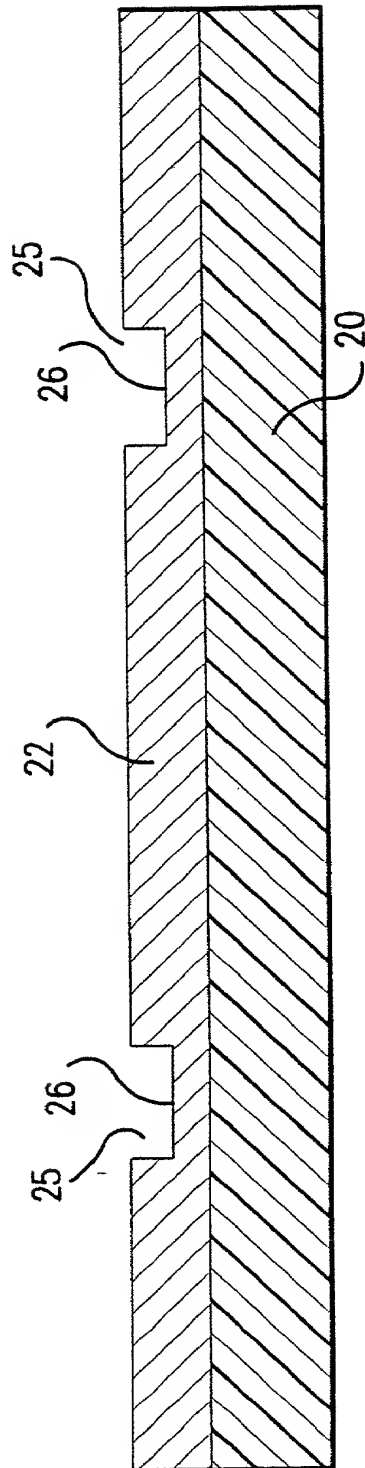


FIG. 4D

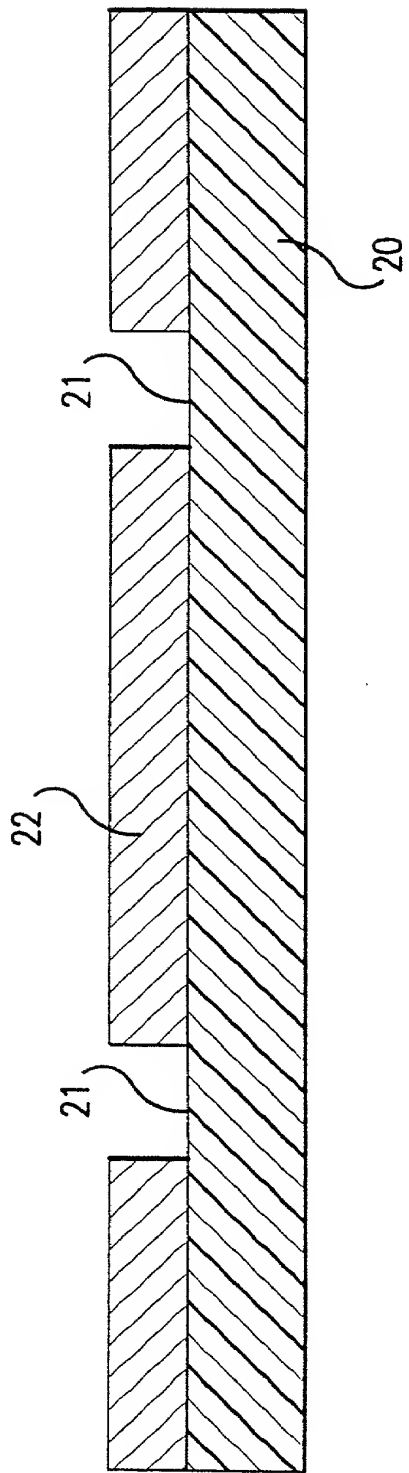


FIG. 4E

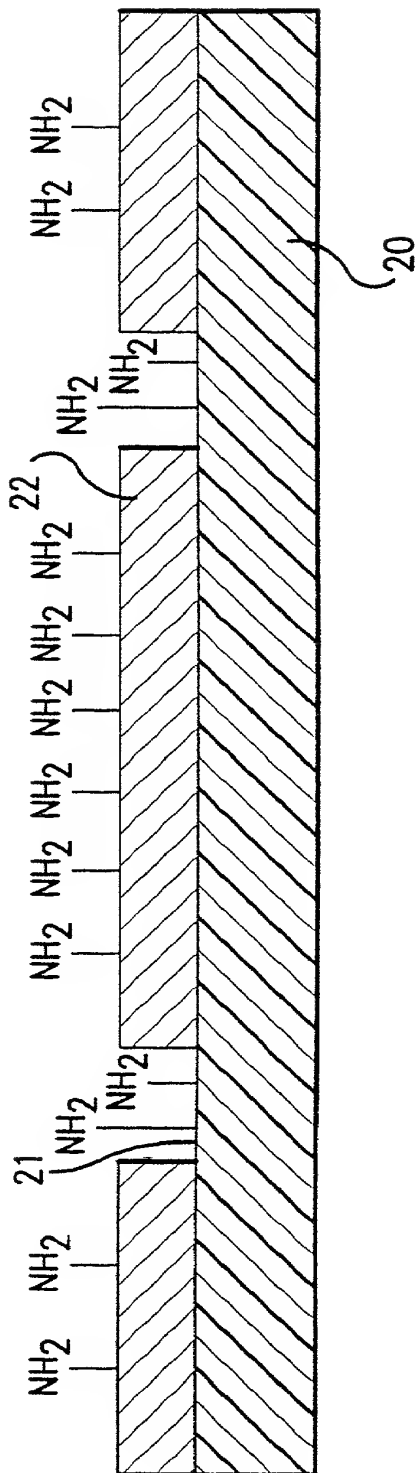


FIG. 4F

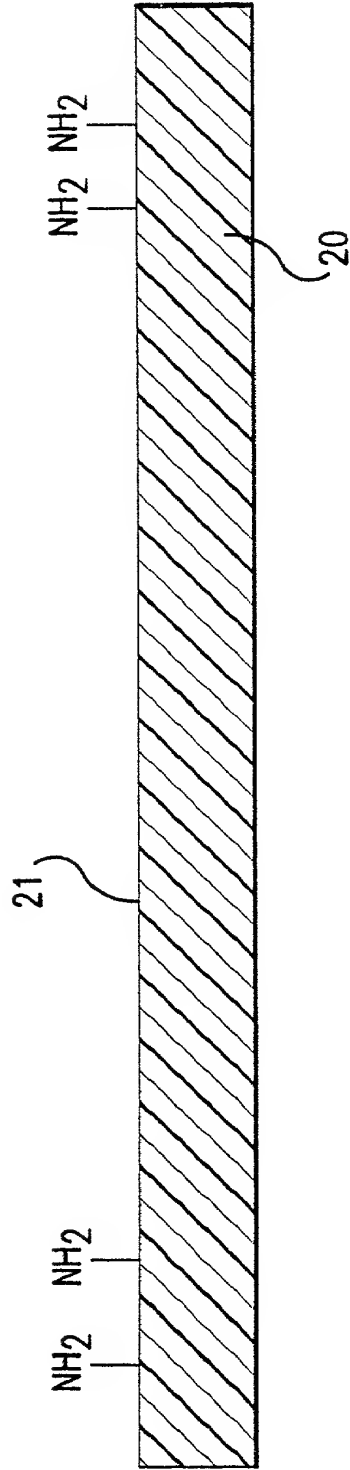


FIG.4G

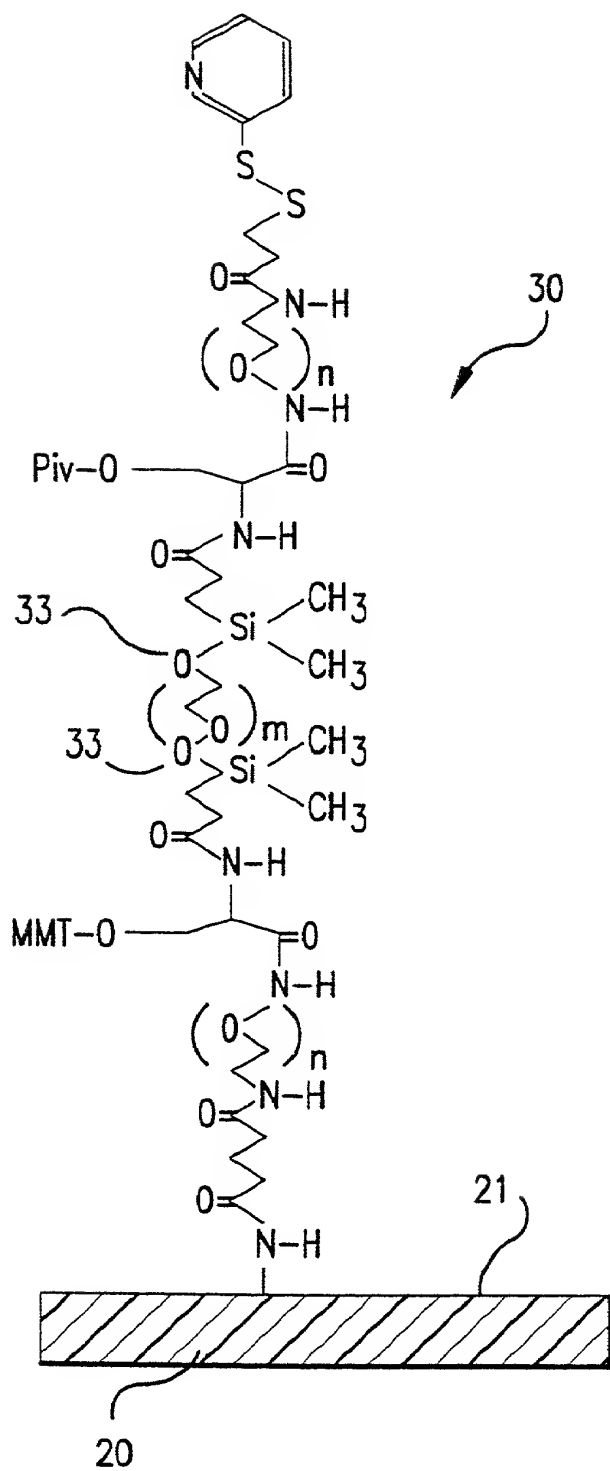


FIG.5

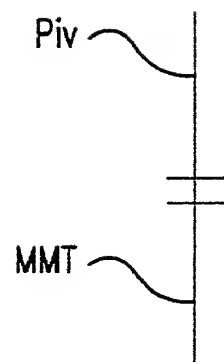


FIG.6

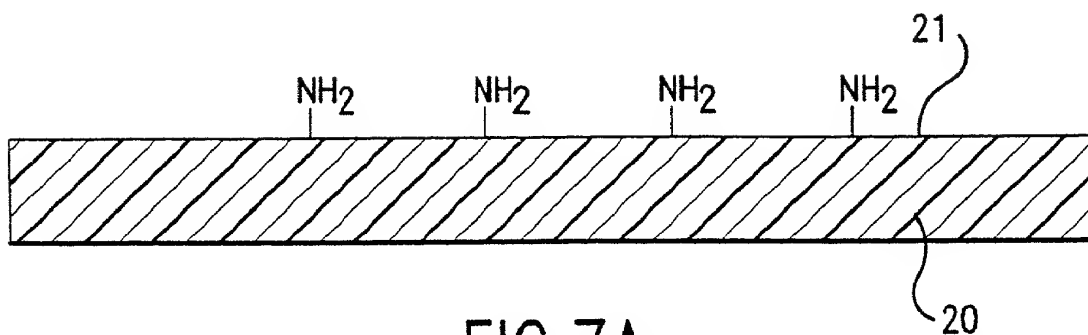


FIG. 7A

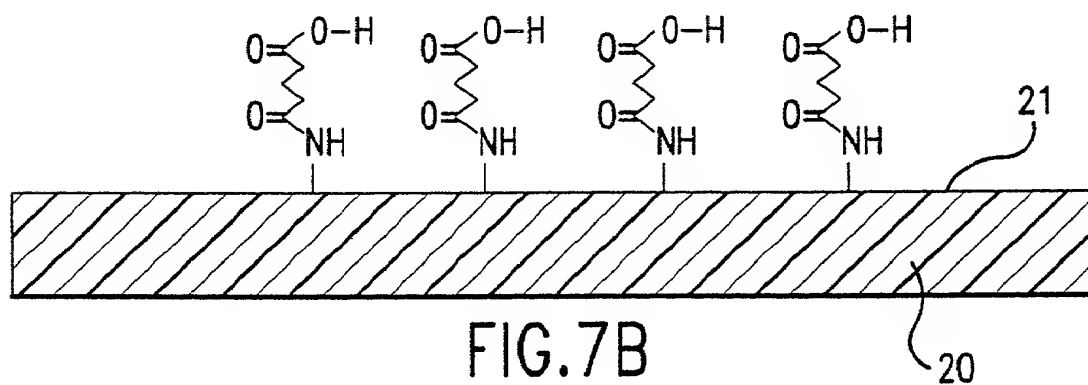


FIG. 7B

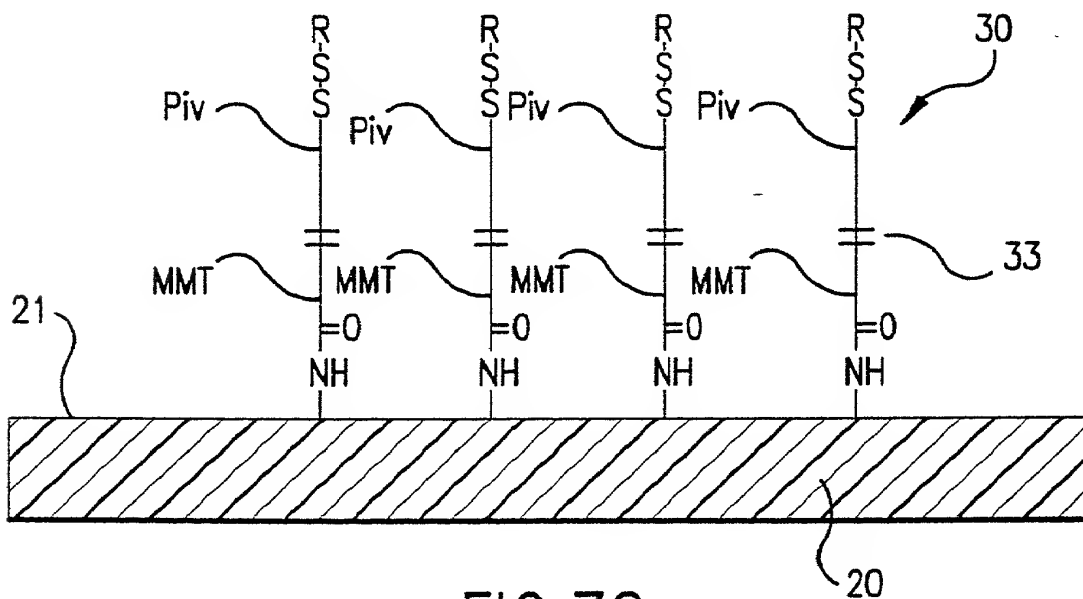


FIG. 7C



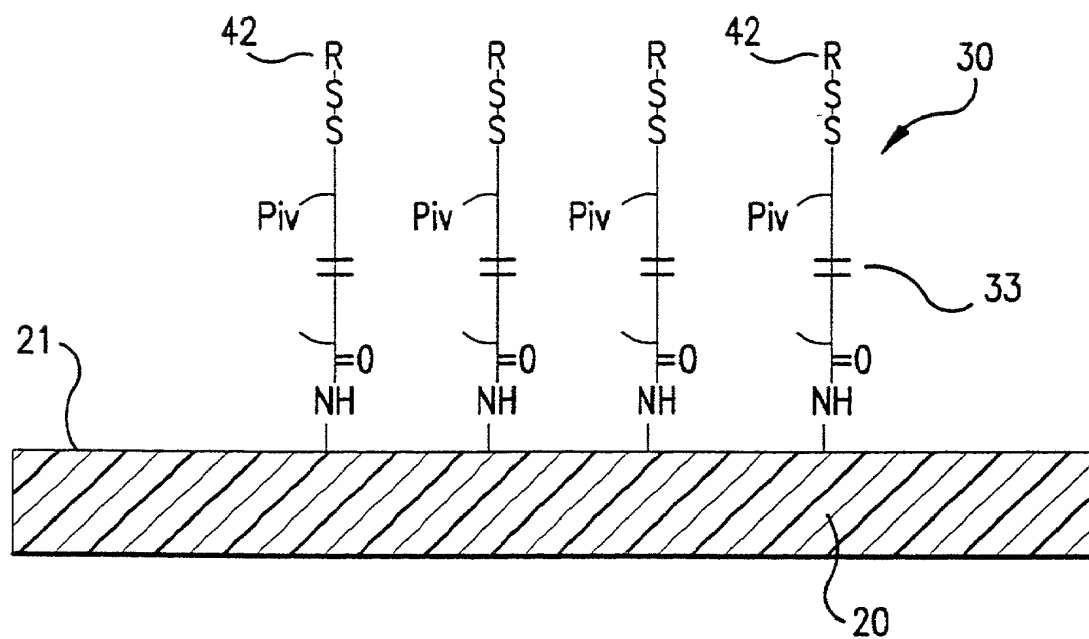


FIG. 8A

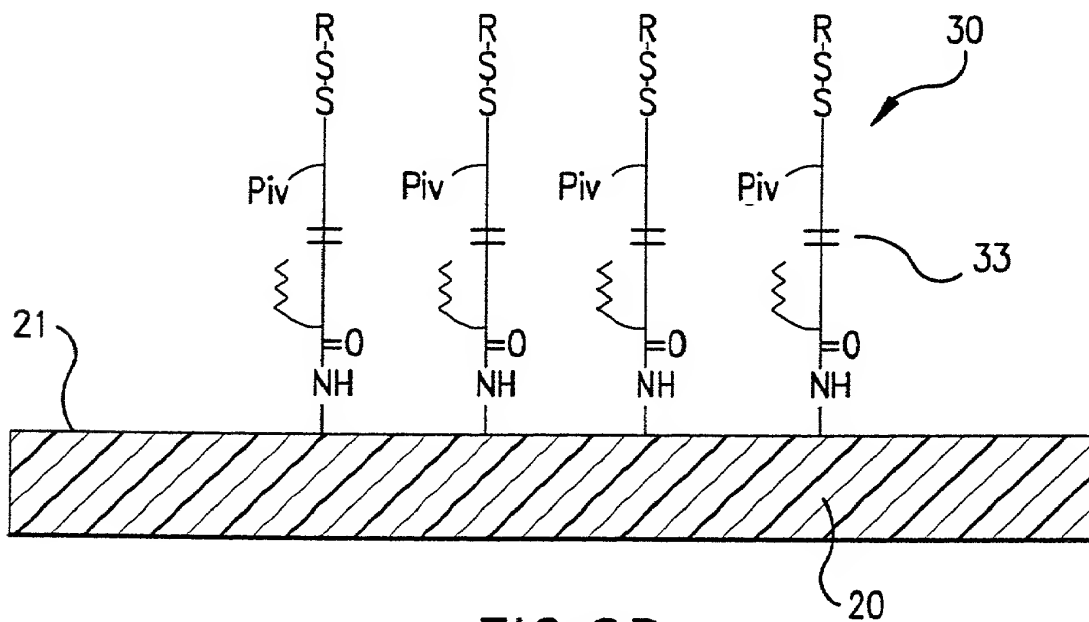


FIG. 8B

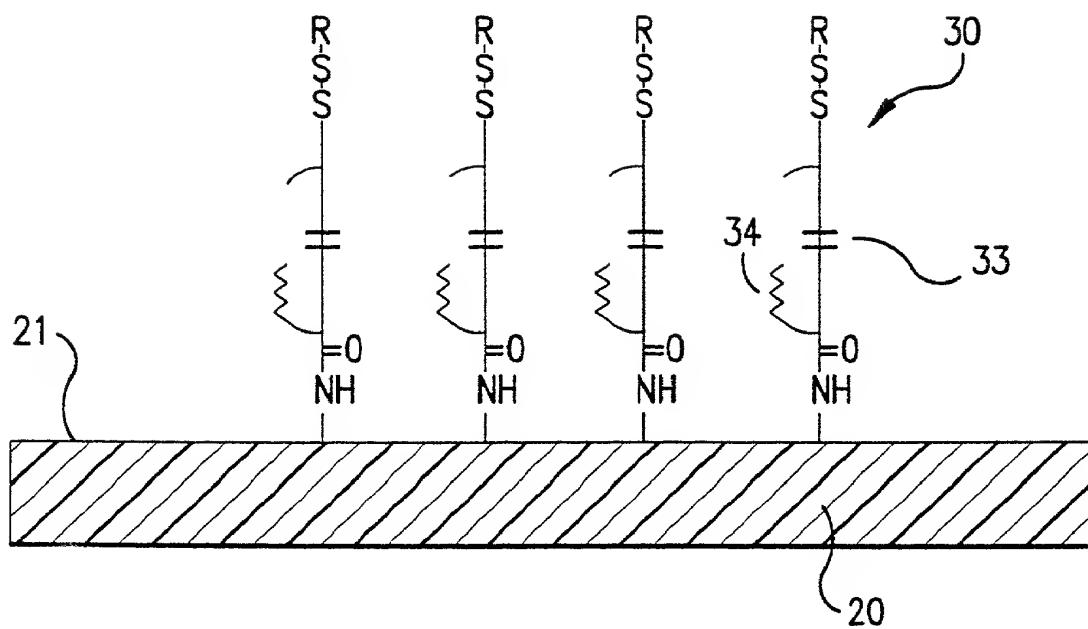


FIG. 9A

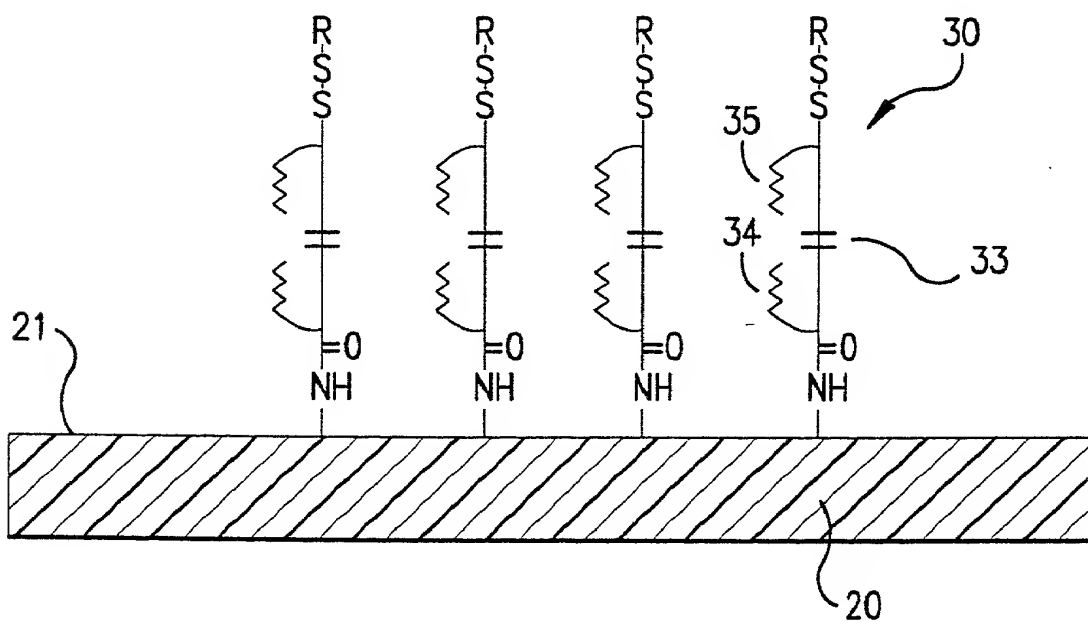


FIG. 9B

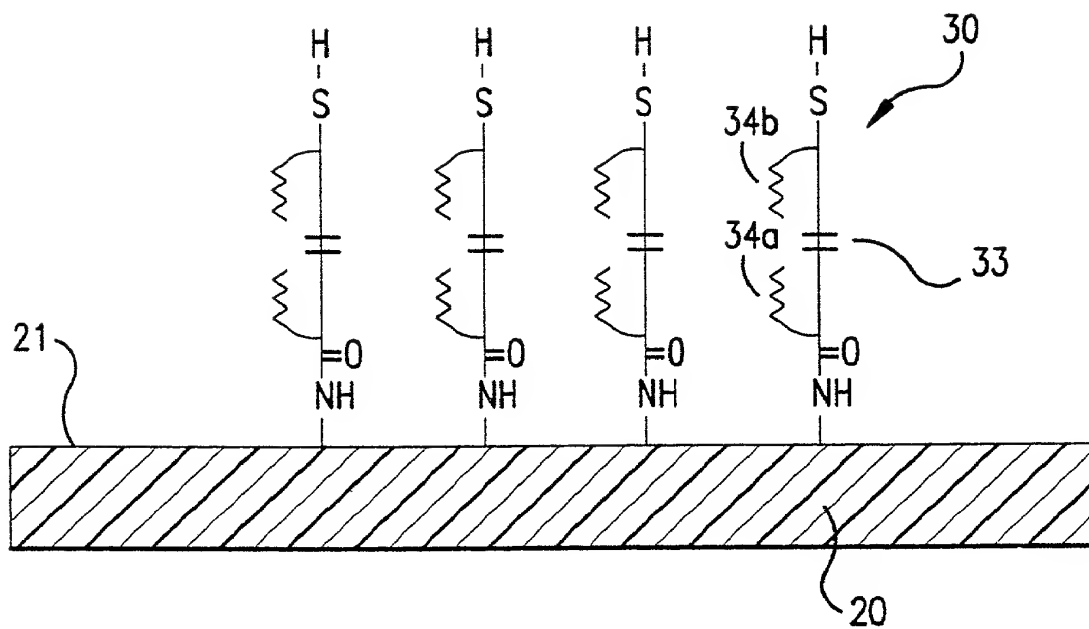
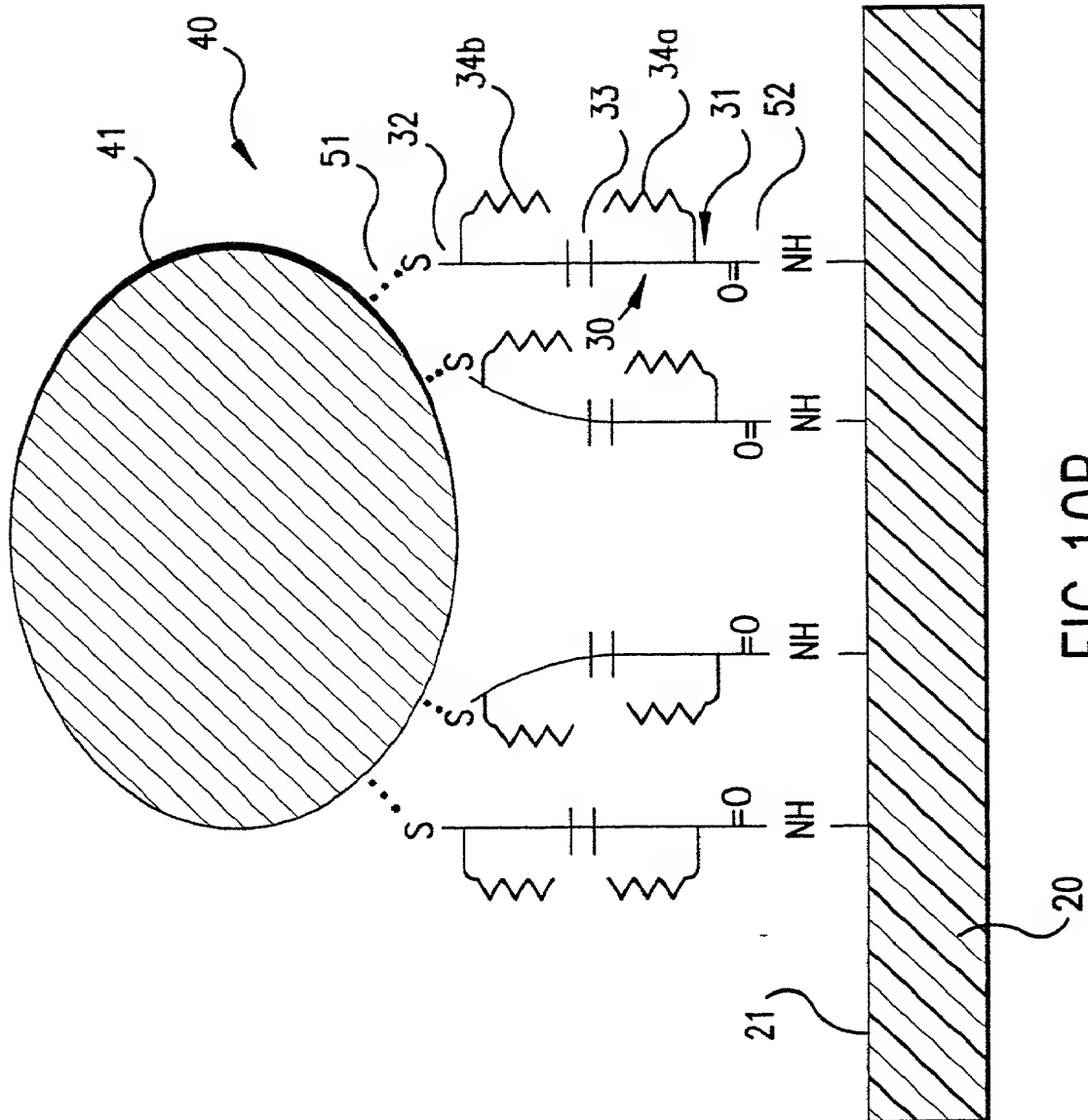


FIG.10A



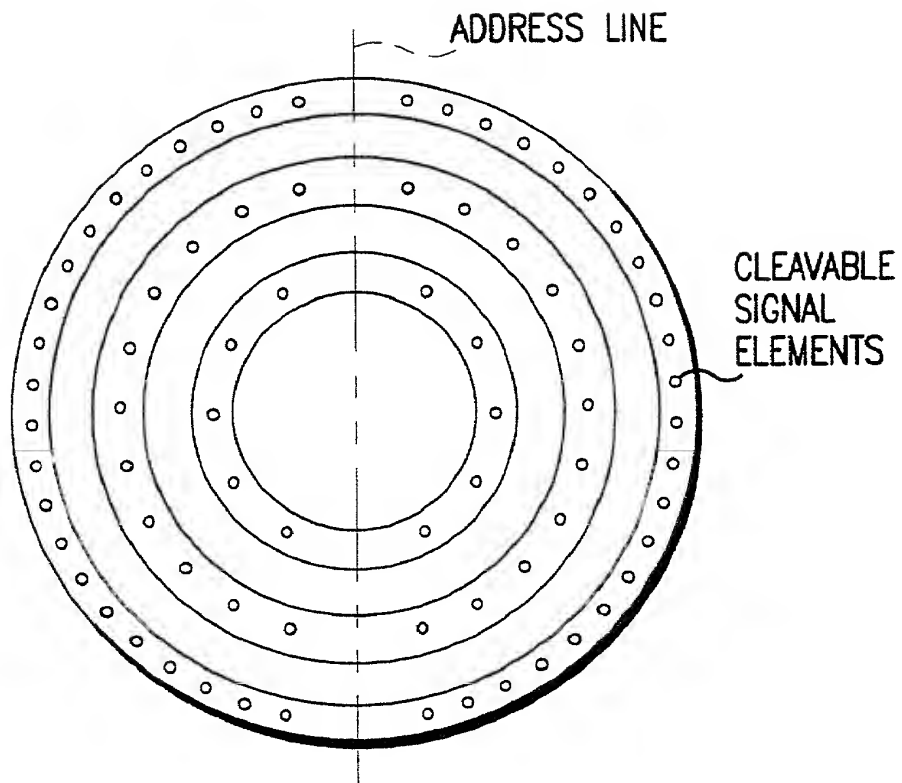


FIG.11A

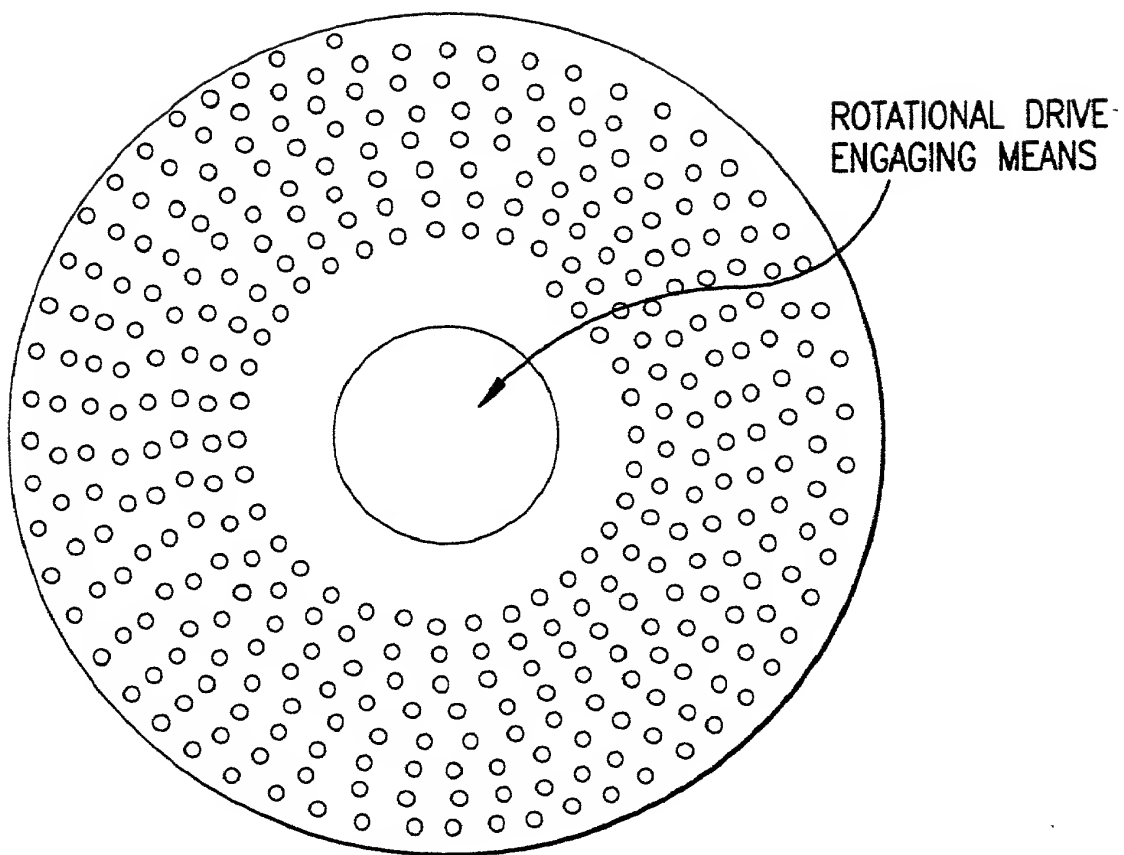


FIG.11B

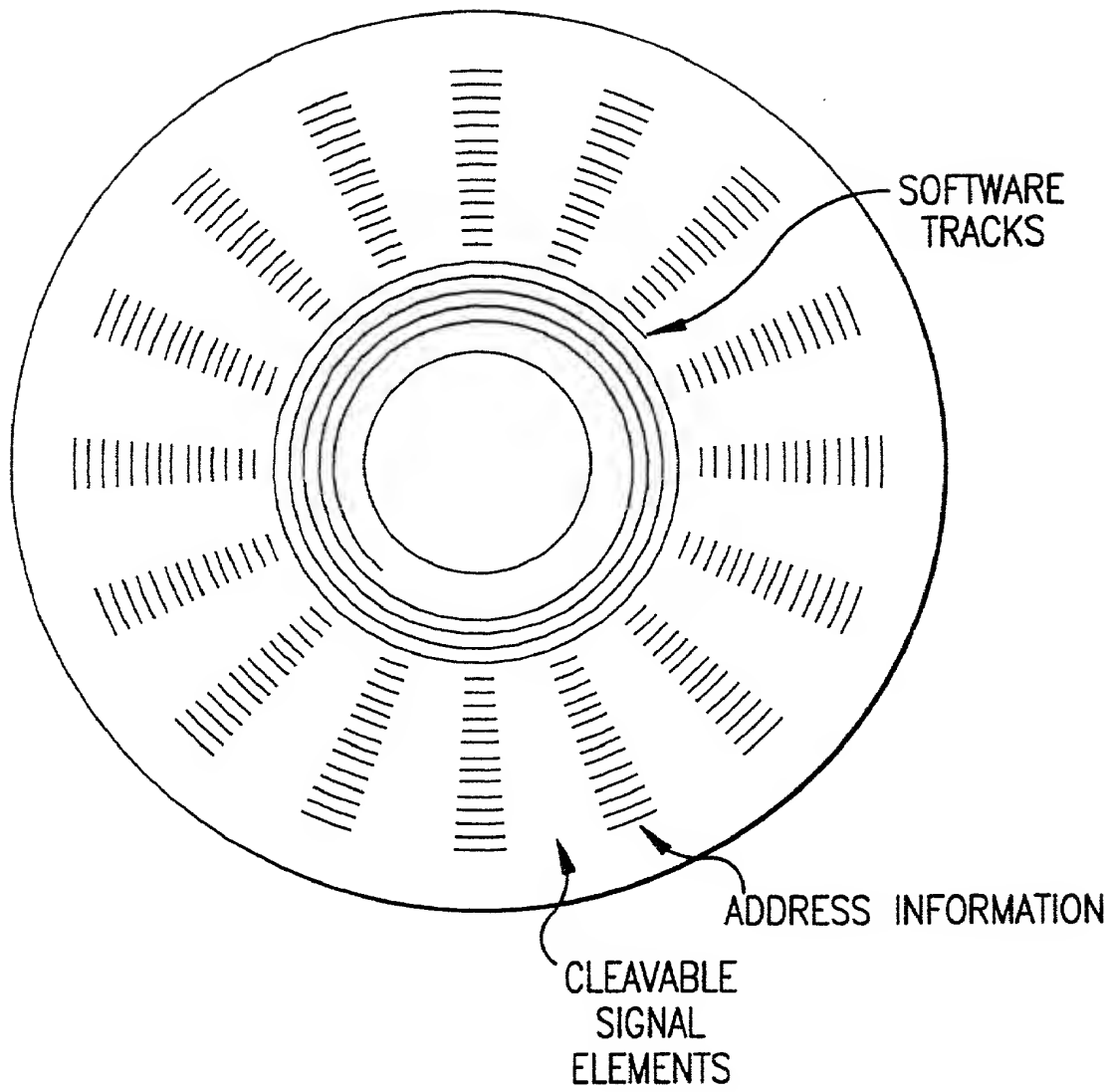


FIG.11C

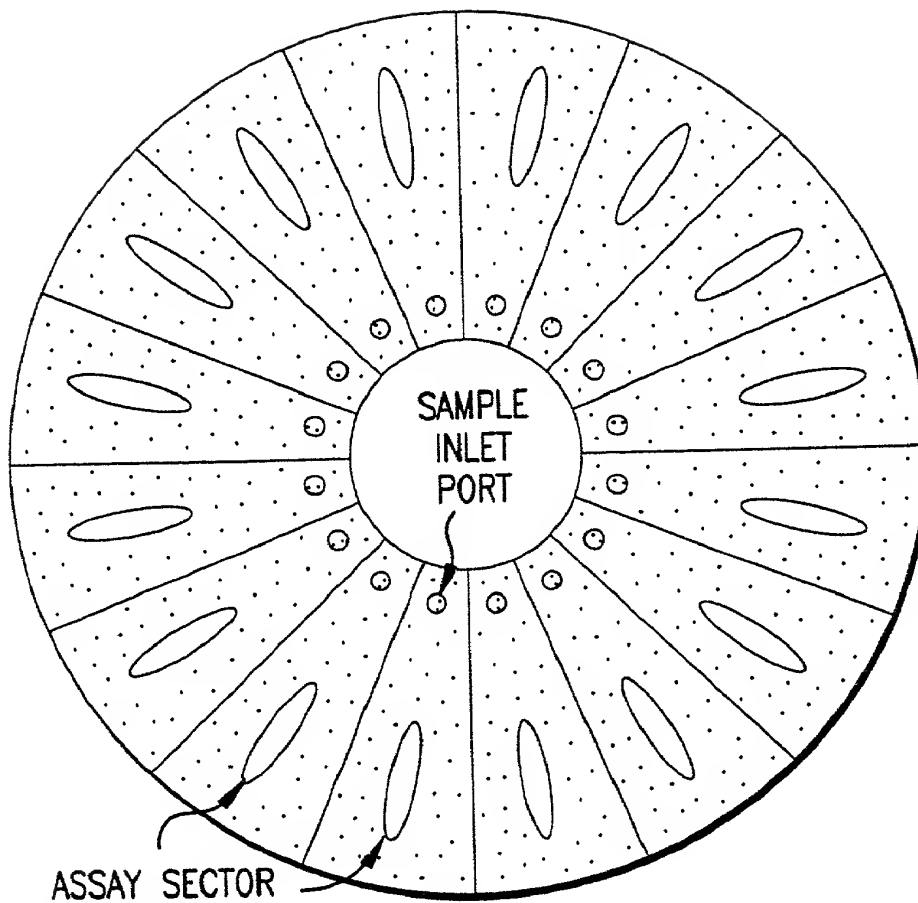


FIG.11D



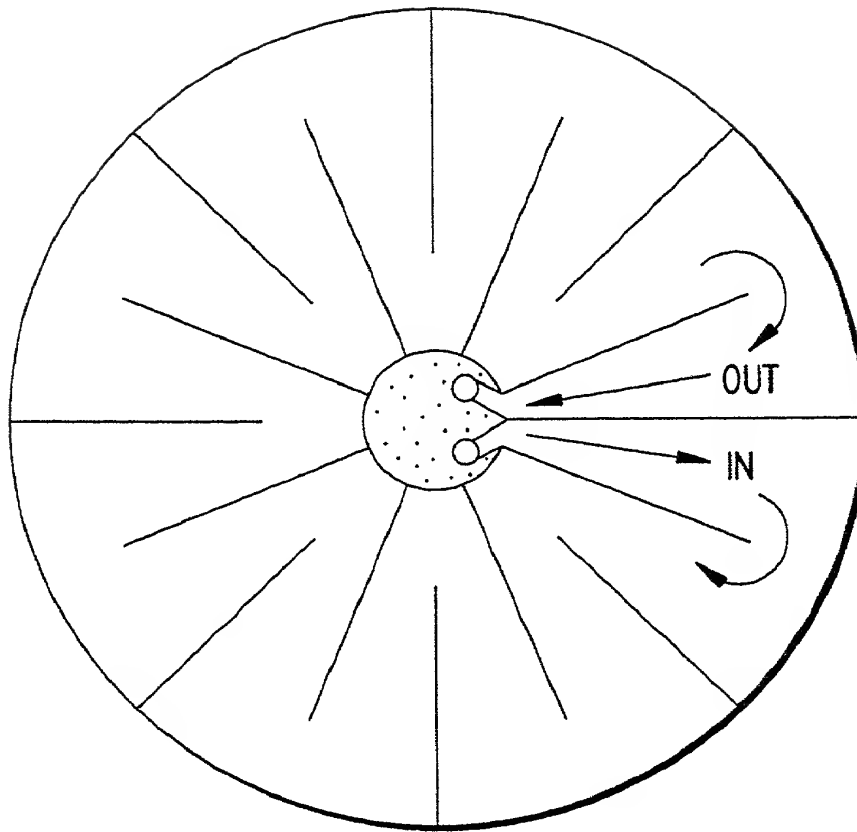


FIG.11E

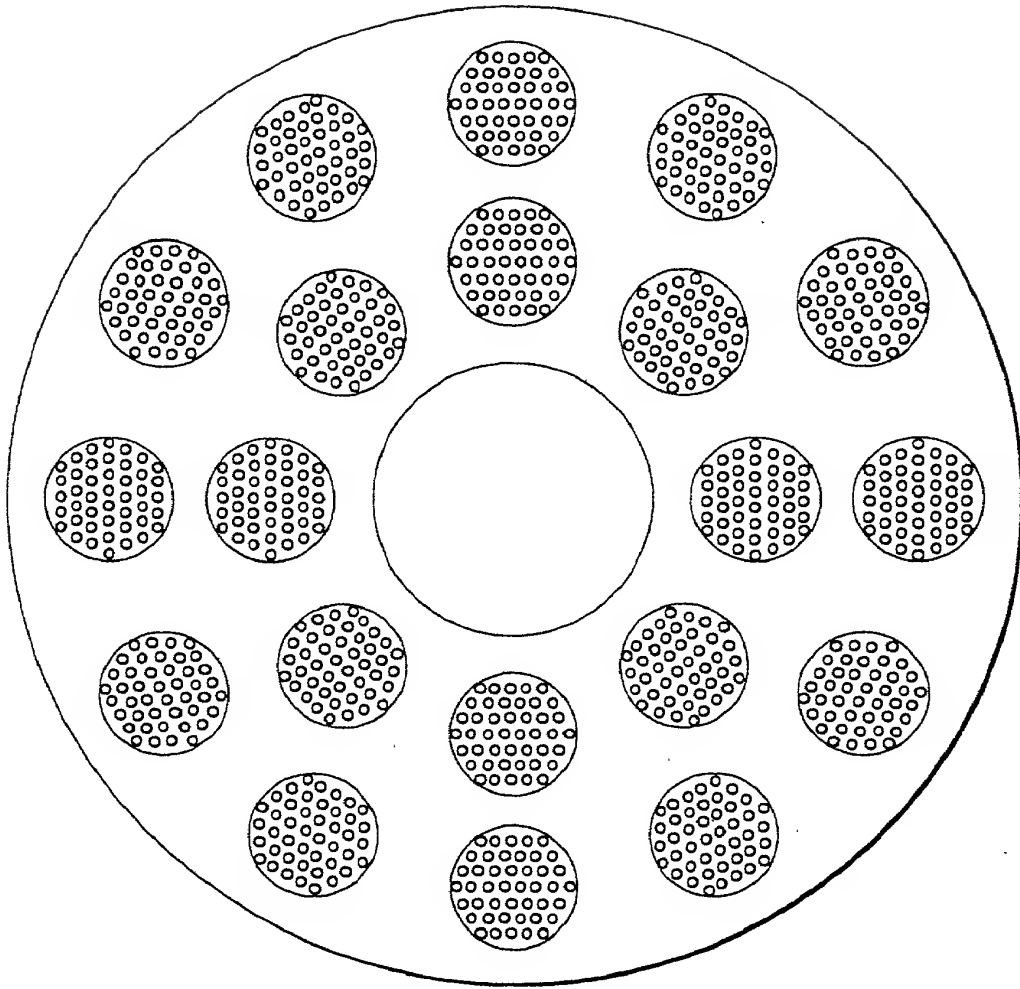


FIG.11F

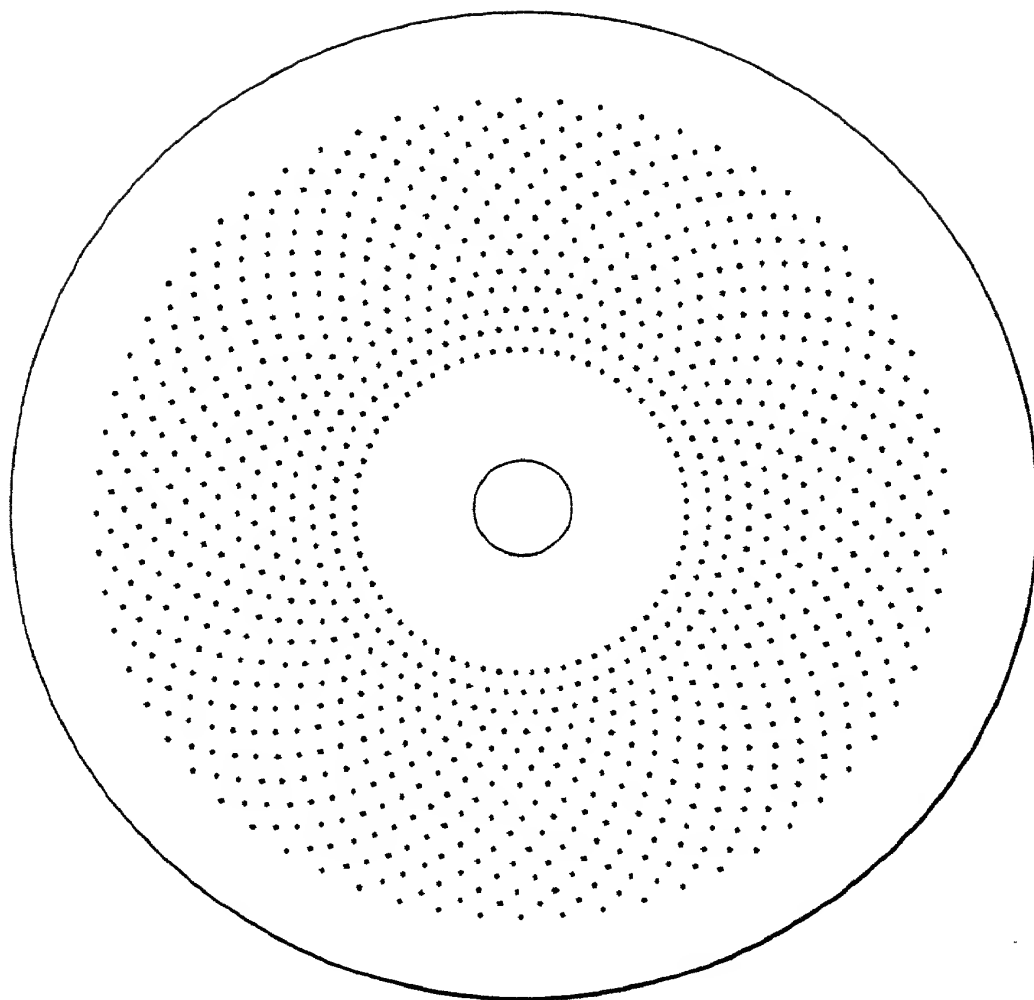


FIG.11G

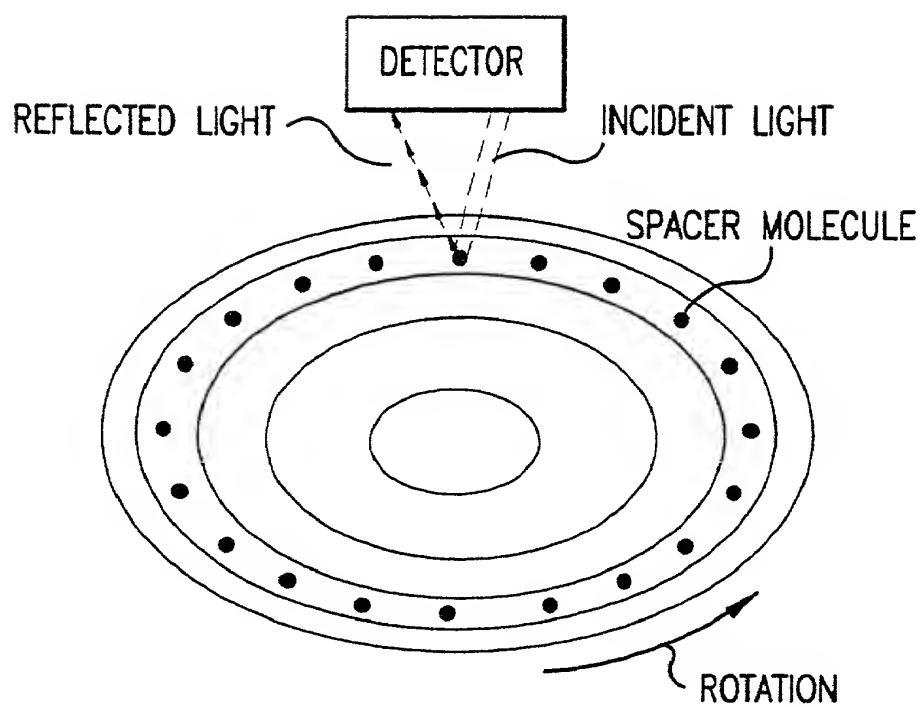


FIG.12

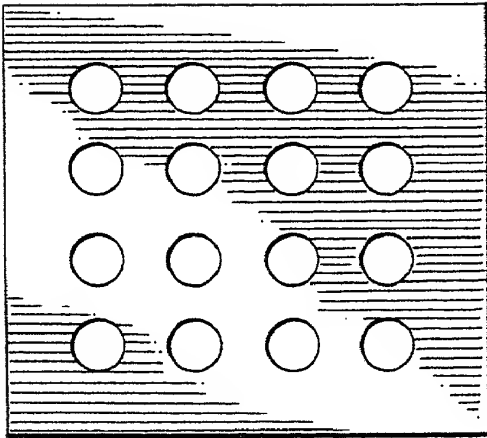


FIG. 13A

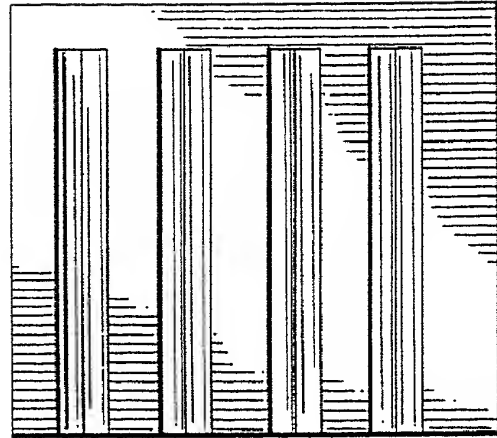


FIG. 13C



FIG. 13B



FIG. 13D

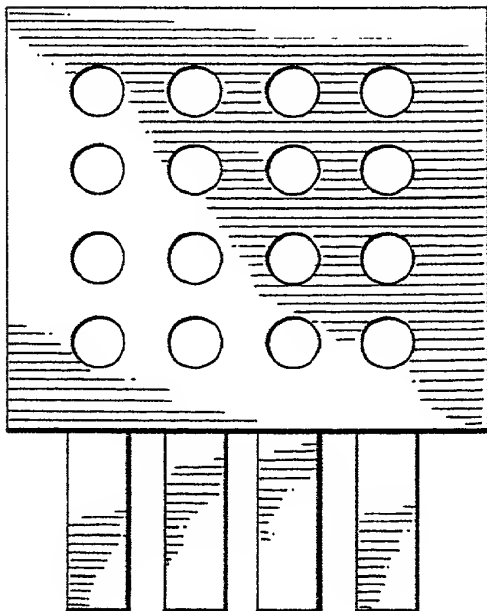


FIG. 13E



FIG. 13F

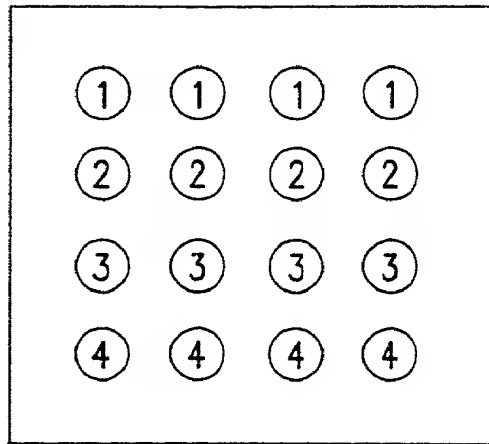


FIG.14A

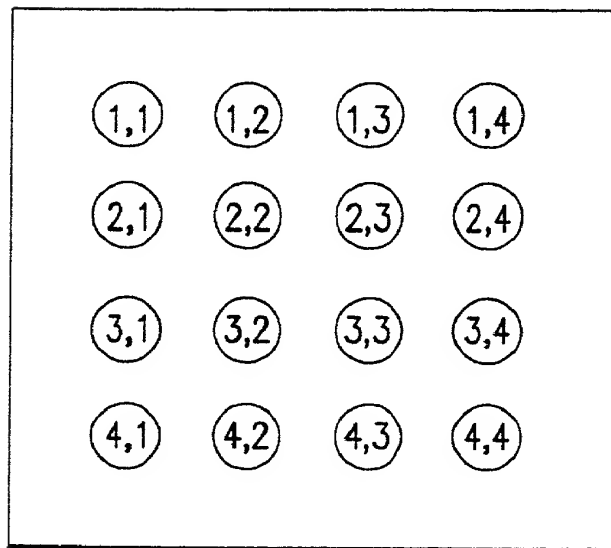


FIG.14B

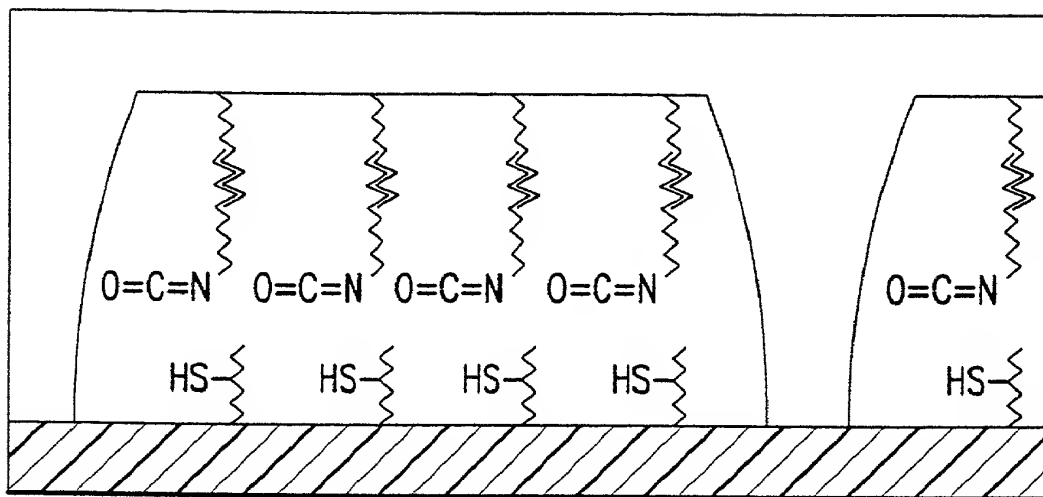


FIG.15A

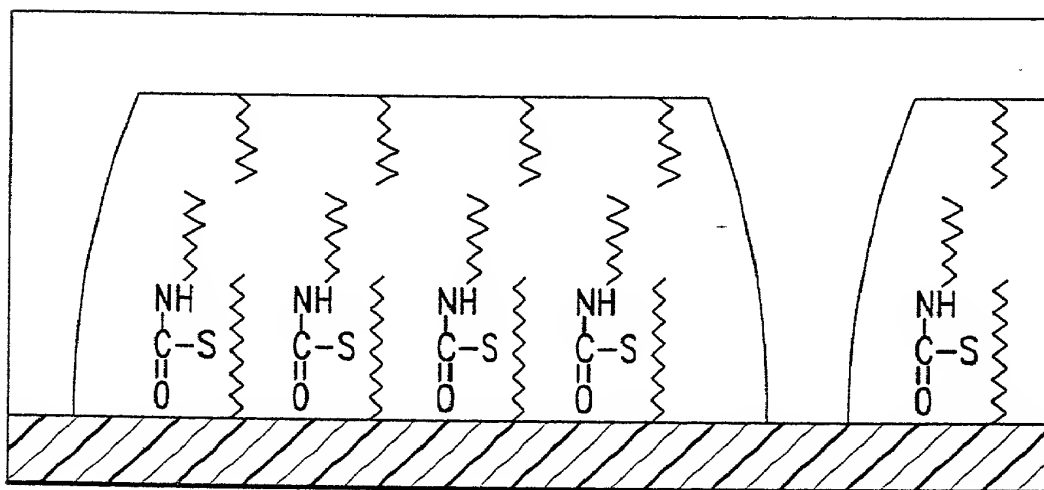


FIG.15B

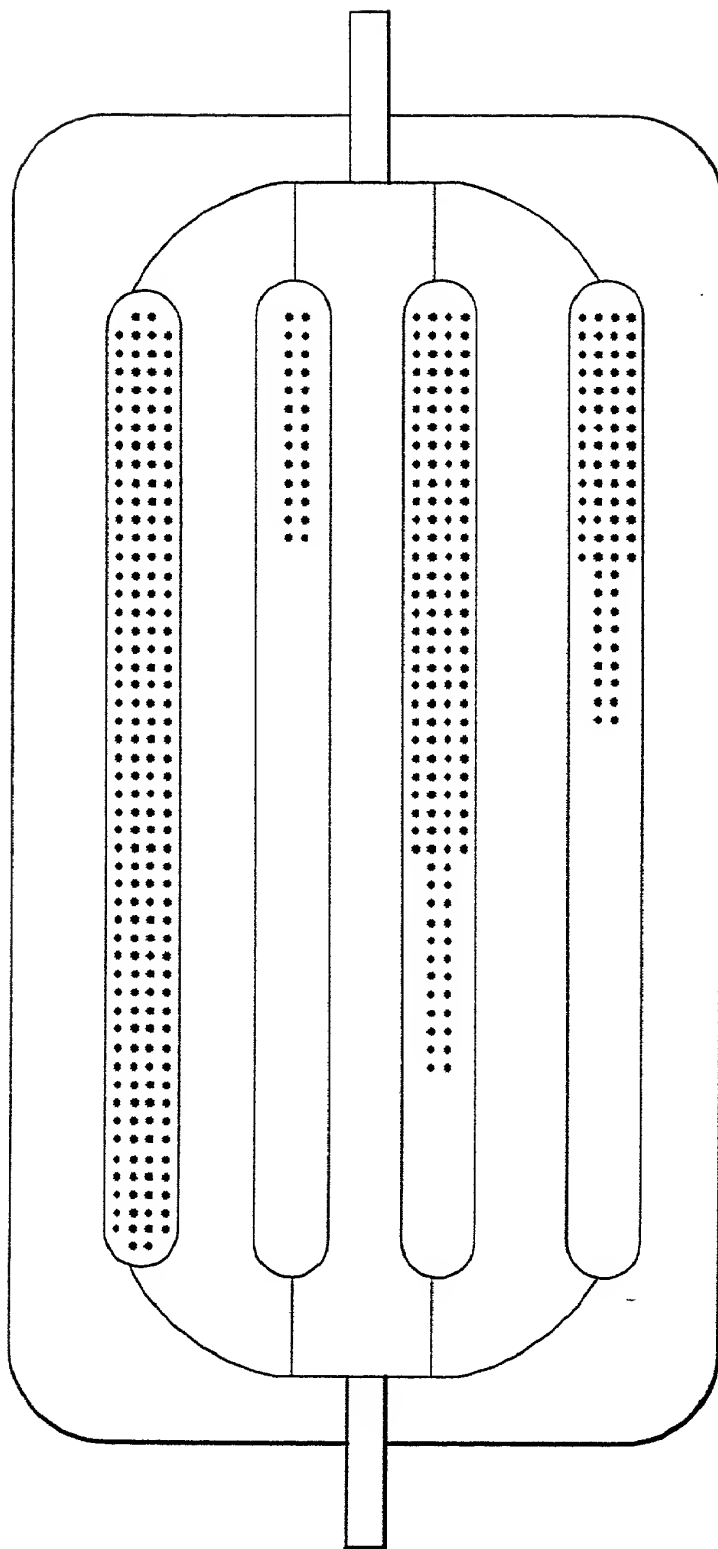


FIG.16



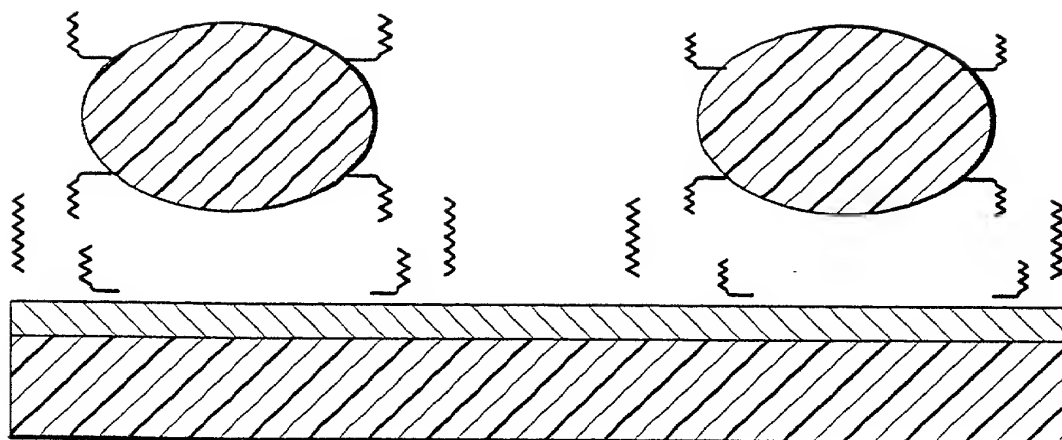


FIG. 17A

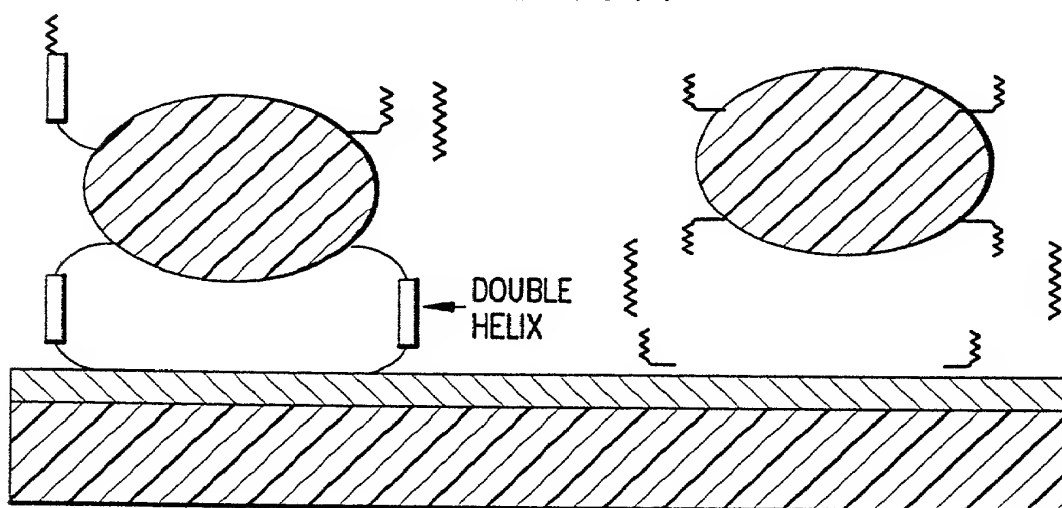


FIG. 17B

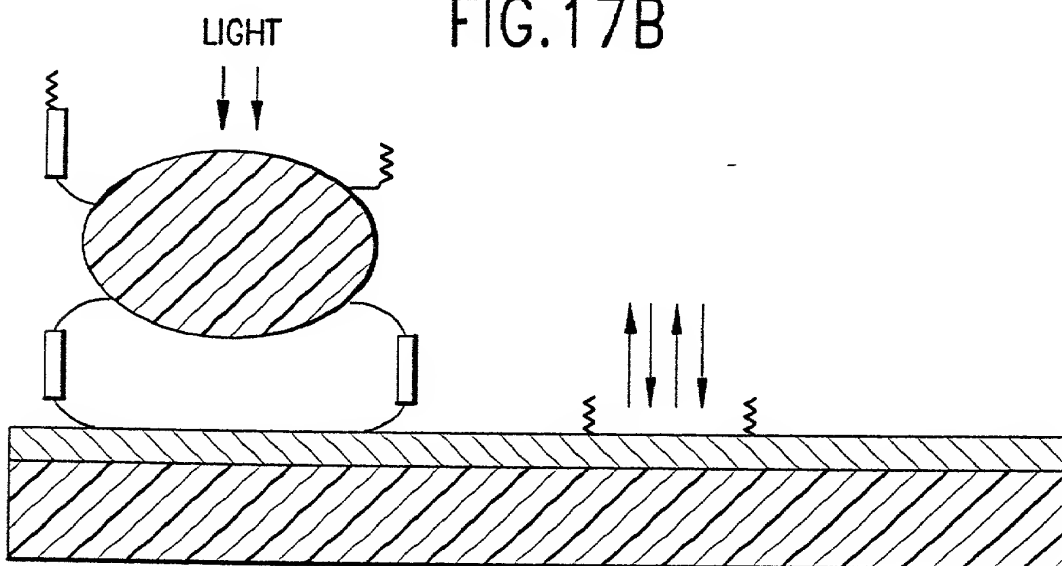


FIG. 17C

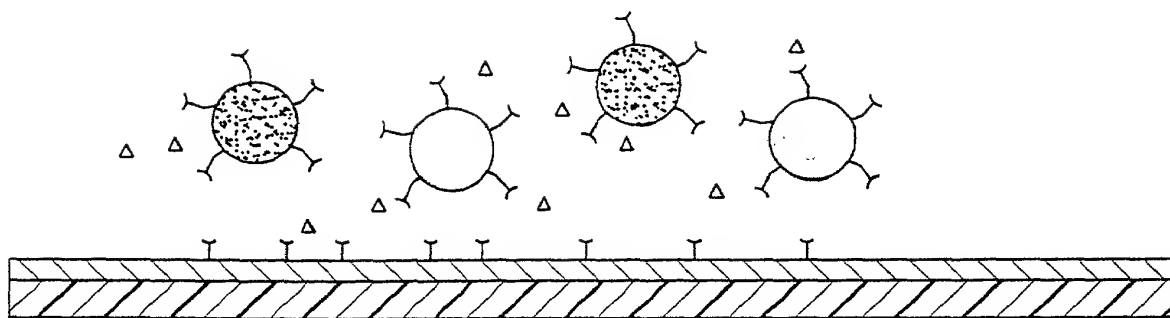


FIG.18A

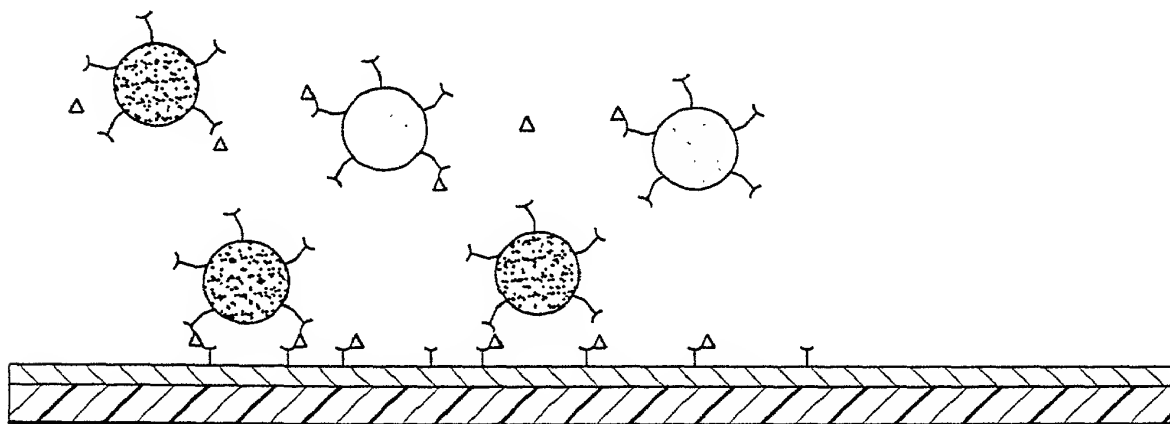


FIG.18B

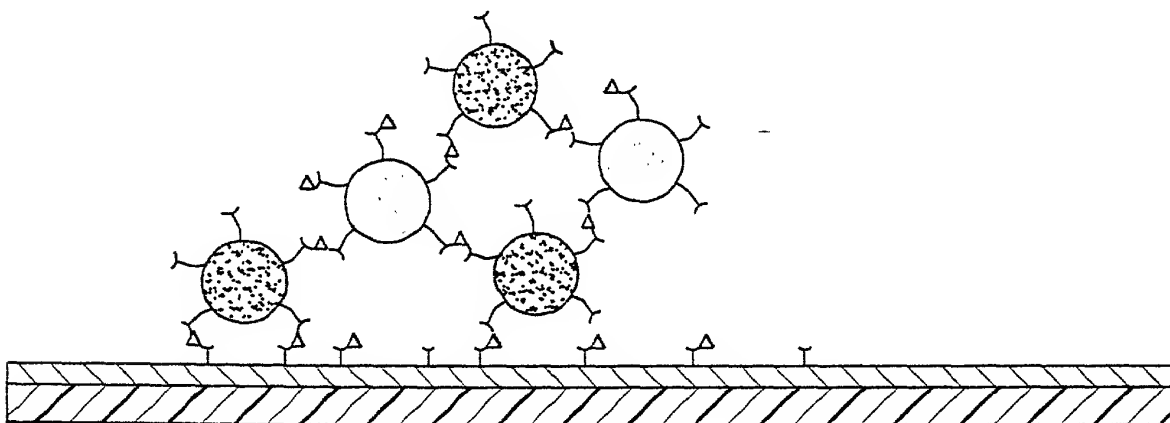


FIG.18C